

## PART V

## THE PATTERN OF AGRICULTURE

Farms - Number and Size

According to the Census of Agriculture there were 450 properties classified as farms in Pacific County in 1964, a decline from 1950 when 716 properties were so classified. The peak number was reached in 1945 when there were 771 farms in the county. Land in farms declined from 70,372 acres in 1945 to 49,504 acres in 1964, less than what it was in 1900. Small farms decreased sharply after 1950 as farm people moved to non-farm employment, consolidation created larger farm units, or land was put to non-agricultural use. The decrease resulted partly from a change in Census definition of a farm. In 1964, 8.4 percent of the county land area was in farms compared with nearly 12 percent in 1945.

TABLE 1: NUMBER OF FARMS, AVERAGE SIZE AND LAND IN FARMS,  
PACIFIC COUNTY, 1900-1964

Year	All Farms	Average Size (acres)	Acreage in Farms	Percent of County Area in Farms
1900	342	151.9	51,936	9.1
1910	347	135.7	47,092	8.2
1920	453	107.7	48,804	8.5
1925	524	99.4	52,092	9.1
1930	570	99.0	56,430	9.9
1935	759	85.8	65,157	11.0
1940	710	90.9	64,509	10.9
1945	771	91.3	70,372	11.9
1950	716	94.6	67,748	11.4
1954	665	95.3	63,374	10.7
1959	499	110.0	53,348	9.0
1964	450	106.9	49,504	8.4

Source: Census of Agriculture. The area of Pacific County is 925 square miles or 592,000 acres.

Historically, farms in Pacific County have been small. This was the result of land acquisition methods as well as land values and types of farming. Heavy costs involved in clearing stump and forest land tended to limit size and discouraged large holdings. During early settlement much logged-off land was sold in 10, 20 and 40 acre units. Loggers and sawmill workers took to farming on a part-time basis, and many enterprises in poultry, livestock, berries, and dairying were begun. Basic, however, is that an area agriculturally handicapped by climate and geography seldom develops large

# Pacific County Agriculture

TABLE 2: NUMBER OF FARMS, COUNTIES OF WASHINGTON, 1950-1964

County	1950	1954	1959	1964
Clallam	1,096	1,068	724	723
Clark	4,132	4,100	2,778	2,610
Cowlitz	1,487	1,362	1,014	867
Grays Harbor	1,435	1,324	896	756
Island	810	657	493	441
Jefferson	414	356	266	209
King	5,496	5,181	2,952	1,825
Kitsap	1,792	1,550	906	845
Lewis	3,396	2,793	2,230	2,139
Mason	570	526	328	297
PACIFIC	716	665	499	450
Pierce	4,303	3,611	2,535	2,054
San Juan	388	295	209	166
Skagit	2,756	2,352	1,740	1,540
Skamania	239	240	177	161
Snohomish	4,786	4,345	2,919	2,413
Thurston	2,022	1,766	1,220	1,193
Wankiakum	394	376	302	278
Whatcom	4,436	4,036	3,151	2,782
Benton	1,435	1,483	1,281	1,249
Chelan	1,924	1,875	1,636	1,483
Kittitas	1,129	1,131	905	737
Klickitat	907	796	741	656
Okanogan	2,023	1,770	1,762	1,618
Yakima	6,959	6,775	6,010	5,440
Ferry	433	403	283	248
Pend Oreille	500	461	366	310
Spokane	3,727	3,594	2,990	2,375
Stevens	2,139	1,918	1,608	1,455
Adams	602	639	786	744
Douglas	1,001	990	935	866
Franklin	331	413	742	789
Grant	538	1,090	1,497	1,592
Lincoln	1,067	1,051	959	935
Asotin	469	465	325	234
Columbia	402	356	333	299
Garfield	320	300	274	248
Walla Walla	1,228	1,101	981	914
Whitman	2,018	1,961	1,824	1,633
State	69,820	65,175	51,577	45,574

Source: Census of Agriculture

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TABLE 3: LAND IN FARMS, BY COUNTY, WASHINGTON, 1950-1964 1/

County	1950	1954	1959	1964
Clallam	76,630	75,254	68,739	64,092
Clark	219,049	208,414	188,479	179,577
Cowlitz	110,073	101,707	80,176	83,749
Grays Harbor	123,068	118,217	99,529	86,731
Island	51,455	46,328	38,702	34,614
Jefferson	45,581	37,977	35,123	21,136
King	153,301	145,111	114,719	82,355
Kitsap	46,031	42,677	29,776	50,907
Lewis	304,253	292,394	255,012	243,329
Mason	56,130	46,974	35,518	36,802
PACIFIC	67,748	63,374	53,348	49,504
Pierce	165,932	149,816	153,363	132,249
San Juan	56,716	45,499	45,707	37,912
Skagit	161,163	151,328	141,770	136,423
Skamania	24,921	26,813	20,177	16,635
Snohomish	180,285	166,136	148,604	129,195
Thurston	170,640	157,202	142,170	129,898
Wahkiakum	32,809	33,235	26,299	27,506
Whatcom	209,947	197,984	185,045	176,902
Benton	670,487	595,186	562,809	638,884
Chelan	189,995	246,105	215,646	218,932
Kittitas	649,092	680,672	580,035	595,431
Klickitat	904,154	943,068	960,614	939,884
Okanogan	1,435,372	1,758,266	2,048,406	1,721,794
Yakima	1,123,749	1,133,102	1,884,694	2,099,942
Ferry	251,684	251,472	298,247	541,197
Pend Oreille	135,628	133,213	124,239	123,137
Spokane	843,335	825,785	822,008	798,592
Stevens	701,598	795,902	803,776	805,451
Adams	1,104,425	1,033,088	1,076,960	1,202,769
Douglas	992,408	961,482	1,012,561	1,028,477
Franklin	584,097	480,390	590,027	563,880
Grant	942,237	953,892	1,075,642	1,159,977
Lincoln	1,424,564	1,520,726	1,422,981	1,479,481
Asotin	330,216	292,813	364,405	381,683
Columbia	339,837	338,964	359,134	369,128
Garfield	342,791	348,869	344,094	346,626
Walla Walla	793,968	822,993	822,729	910,762
Whitman	1,353,876	1,419,001	1,485,709	1,406,968
State	17,369,245	17,641,429	18,716,972	19,052,538

Source: Census of Agriculture. 1/ Data in acres

**Pacific County Agriculture**

**TABLE 4: PERCENT OF LAND IN FARMS, COUNTIES OF WASHINGTON, 1950-1964**

County	1950	1954	1959	1964
Challam	6.8	6.7	6.1	5.7
Clark	54.1	51.4	46.7	44.5
Cowlitz	15.0	13.9	11.0	11.4
Grays Harbor	10.1	9.7	8.2	7.1
Island	39.0	35.1	29.4	26.3
Jefferson	3.9	3.3	3.0	1.8
King	11.2	10.6	8.4	6.0
Kitsap	17.9	16.6	11.6	19.8
Lewis	19.4	18.7	16.3	15.5
Mason	9.1	7.6	5.7	5.9
PACIFIC	11.4	10.7	9.0	8.4
Pierce	15.5	14.0	14.3	12.3
San Juan	51.5	41.3	41.5	34.4
Skagit	14.5	13.6	12.8	12.3
Skamania	2.3	2.5	1.9	1.6
Snohomish	13.4	12.4	11.1	9.6
Thurston	37.2	34.3	31.0	28.3
Wahkiakum	19.1	19.3	15.3	16.0
Whatcom	15.3	14.4	13.5	13.0
Benton	60.3	53.5	51.4	58.3
Chelan	10.1	13.1	11.5	11.7
Kittitas	43.8	45.9	39.1	40.2
Klickitat	73.9	77.1	78.8	77.1
Okanogan	42.4	51.9	60.5	50.8
Yakima	41.1	41.4	68.9	76.8
Ferry	17.9	17.9	21.2	38.5
Pend Oreille	15.1	14.8	13.8	13.7
Spokane	74.7	73.2	72.9	70.8
Stevens	44.1	50.0	50.5	50.6
Adams	91.1	85.2	88.8	99.2
Douglas	84.2	81.6	86.0	87.3
Franklin	72.3	59.5	73.2	69.9
Grant	54.7	55.4	62.5	67.4
Lincoln	96.8	103.3	96.7	100.5
Asotin	82.3	73.0	90.8	95.1
Columbia	61.7	61.6	65.2	67.1
Garfield	75.0	76.3	75.3	75.9
Walla Walla	96.3	99.8	101.1	111.9
Whitman	97.6	102.3	107.1	101.4
State	40.6	41.3	43.8	44.6

Source: Census of Agriculture. The excess of farm acreage over county land area is due to the fact that the entire acreage of a farm was tabulated as in the county in which the farm operator lived or where the farm headquarters was located even though a part of the farm was situated in an adjoining county (or State).

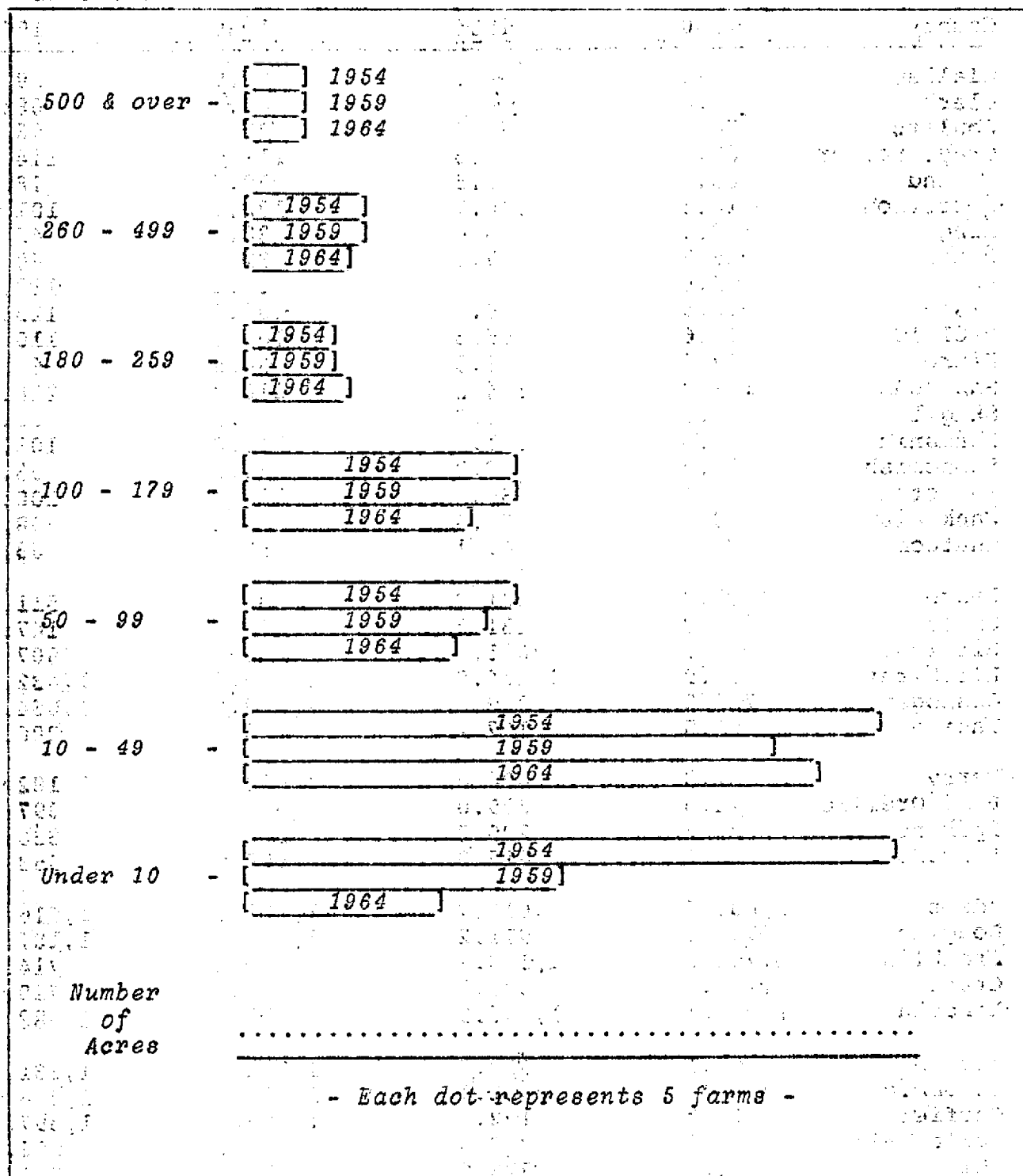
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TABLE 5: AVERAGE SIZE OF FARMS, COUNTIES OF WASHINGTON, 1950-1964 1/

County	1950	1954	1959	1964
Clallam	69.9	70.5	94.9	88.6
Clark	53.0	50.8	67.8	68.8
Cowlitz	74.0	74.7	79.1	96.6
Grays Harbor	85.8	89.3	111.1	114.7
Island	63.5	70.5	78.5	78.6
Jefferson	110.1	106.7	132.0	101.1
King	27.9	28.0	38.9	45.1
Kitsap	25.7	27.5	32.9	60.2
Lewis	89.6	104.7	114.4	113.8
Mason	98.5	89.3	108.3	123.9
PACIFIC	94.6	95.3	106.9	110.0
Pierce	38.6	41.5	60.5	64.4
San Juan	146.2	154.2	218.7	228.4
Skagit	58.5	64.3	81.5	88.6
Skamania	104.3	111.7	114.0	103.3
Snohomish	37.7	38.2	50.9	53.5
Thurston	84.4	89.0	116.5	108.9
Wahkiakum	83.3	88.4	87.1	98.9
Whatcom	47.3	49.1	58.7	63.6
Benton	467.2	401.3	439.4	511.5
Chelan	98.8	131.3	131.8	147.6
Kittitas	574.9	601.8	640.9	807.9
Klickitat	996.9	1,184.8	1,296.4	1,432.8
Okanogan	709.5	993.4	1,162.5	1,064.1
Yakima	161.5	167.2	313.6	386.0
Ferry	581.3	624.0	1,053.9	2,182.2
Pend Oreille	271.3	289.0	339.5	397.2
Spokane	226.3	229.8	274.9	336.2
Stevens	328.0	415.0	499.9	553.6
Adams	1,834.6	1,616.7	1,370.2	1,616.6
Douglas	991.4	971.2	1,083.0	1,187.6
Franklin	1,764.6	1,163.2	795.2	714.7
Grant	1,751.4	875.1	718.5	728.6
Lincoln	1,335.1	1,446.9	1,483.8	1,582.3
Asotin	704.1	629.7	1,121.2	1,631.1
Columbia	845.4	952.1	1,078.5	1,234.5
Garfield	1,071.2	1,162.9	1,255.8	1,397.7
Walla Walla	646.6	747.5	838.7	996.5
Whitman	670.9	723.6	814.5	861.6
State	248.8	270.7	362.9	418.1

Source: Census of Agriculture. 1/ Data in acres

**NUMBER OF FARMS, CLASSIFIED BY SIZE, PACIFIC COUNTY,  
1954, 1959 AND 1964**



Source: Census of Agriculture

TABLE 6: NUMBER OF FARMS AND LAND IN FARMS, BY SIZE OF FARM, PACIFIC COUNTY,  
1950-1964

Farm Size in Acres	1950		1954		1959		1964	
	Acres	Farms	Acres	Farms	Acres	Farms	Acres	Farms
Under 10	1,187	224	1,102	208	538	98	347	60
10 - 49	5,261	216	4,969	205	4,140	168	4,538	184
50 - 69	2,271	39	1,845	32	1,069	18	1,406	24
70 - 99	4,697	57	4,393	53	4,732	57	3,342	40
100 - 139	5,554	48	4,644	41	5,655	49	4,262	36
140 - 179	6,542	41	7,281	46	5,765	36	5,407	34
180 - 219	4,321	22	3,289	17	3,730	19	4,314	22
220 - 259	2,126	9	2,350	10	1,683	7	1,705	7
260 - 499	11,445	34	11,994	36	11,767	34	9,840	30
500 - 999	12,674	19	7,867	10	5,509	8	4,283	7
1,000-1,999 1/	11,670	7	13,640	7	8,760	5	2/	4
2,000 +	-	-	-	-	-	-	2/	2
Total:	67,748	716	63,374	665	53,348	499	49,504	450

Source: Census of Agriculture. 1/ For 1950, 1954 and 1959: 1,000 or more acres. 2/ Data withheld to avoid disclosure of information for individual farms.

farms - at least not early in development. Lands low in agricultural potential encourage off-farm employment and part-time farming. In recent years, subdivision of farms in shoreline areas for residential and commercial use has been common.

These and other factors have created the present pattern in which 54 percent of the farms in the county are less than 50 acres, though they contain less than 10 percent of the total farm acreage. Farms of 10 to 49 acres form the largest group - 184 in 1964. Farms of less than 10 acres numbered 224 in 1950 but only 60 in 1964. The average farm in the county contained nearly 107 acres in 1964.

#### Types of Farms

Dairy farms were the most important farm-type in Pacific County in 1964 from the standpoint of value of products sold. The Census of Agriculture reported 40 dairy farms compared with 60 in 1959 and 132 in 1950. Despite the marked decline in the number of dairy farms, milk production has increased.

Second most important in 1964 were the small cranberry farms along the North Beach peninsula and in the Grayland area. Cranberry farms are included under fruit and nut farms if most of their income is from cranberries. There were 69 fruit and nut farms

in 1964, but 110 farms actually sold cranberries that year. By comparison, there were 106 fruit and nut farms in 1959 and 140 farms marketed cranberries.

Livestock raising, almost entirely cattle and calves, represented the third most important farm-type in Pacific County in 1964. Relatively few farms gained over one-half their farm income from livestock between Census years 1949 and 1964, although the large number of farms selling cattle and calves pointed to the strong part-time activity in this area. Specialized farms sold most of the total, however. Of 207 farms selling cattle in 1964, only 4 farms sold 100 head or more; 16 sold 20 to 99; 75 sold 5 to 19; while 112 sold from 1 to 4 head. Of 173 farms reporting the sale of calves, 4 sold 100 or more; 25 sold 20 to 99; 61 sold 5 to 19; and 83 sold from 1 to 4 animals.

Nearly two-thirds of the farms in the county in 1964 were engaged in miscellaneous or unclassified forms of agriculture. Farms of this nature include the many small and part-time enterprises which dominate the farm pattern. A great many people earn a portion of their livelihood in this way, however, and their production in the aggregate is not without significance.

TABLE 7: NUMBER OF FARMS, CLASSIFIED BY TYPE, PACIFIC COUNTY, 1950-1964

Type of Farm	1950	1954	1959	1964
Field Crop Farms				
Cash grain				
Other				
Vegetable Farms				
Fruit, Nut & Berry Farms	55	106	106	69
Dairy Farms	132	75	60	40
Poultry Farms	21	25	10	4
Livestock Farms	30	55	44	42
General Farms	9	-	-	8
Mis. & Unclass. Farms	469	401	280	287
Total:	716	662	500	450

Source: Census of Agriculture

Census Definition of a Farm. Land on which agricultural operations are conducted under the control of one person or partnership is defined by the Census as a farm. The 1959 and 1964 Census of Agriculture considered as farms places of less than 10 acres if the estimated sales of agricultural products amounted to at least \$250. Places of 10 or more acres were considered as farms if sales for the year amounted to at least \$50. Places having less than the \$50



or \$250 minimum were counted if they could normally be expected to produce agricultural products in sufficient quantity to meet the requirement of the definition; this qualification resulted in the inclusion as farms of some places engaged in farming operations for the first time and places affected by crop failure or other unusual conditions.

For both the 1950 and 1954 Census of Agriculture, places of 3 or more acres were counted as farms if the annual value of agricultural products, whether for home use or for sale but exclusive of home-garden products, amounted to \$150 or more. Places of less than 3 acres were counted as farms only if the annual sales of agricultural products amounted to \$150 or more. A few places with very low production because of unusual circumstances, such as crop failure, were also counted as farms if they normally could have been expected to meet the minimum value or sales criteria.

The decrease in the number of farms in 1950 and 1954, as compared with earlier censuses, was partly due to the change in farm definition with respect to farms of 3 or more acres in size. For 1959, the decrease in the number of farms as compared with all prior censuses resulted partly from the change in definition. The fact that sales of agricultural products in 1959 was used (rather than value) resulted in the exclusion of some places that would have qualified as farms. The increase in acreage minimum also had an effect. The reduction in the number of farms due to change in definition, 1954 to 1959, for Pacific County was 105 farms.

The Census classification of farms by type represents a description of the major source of income from farm sales. To be classified to its type a farm had to have sales of a particular product, or group of products, amounting in value to 50 percent or more of the total value of all farm products sold during the year. General farms were those selling field seed crops, hay, grass and silage. A farm was classed as general if it had cash income from three or more sources and did not meet the criteria for any other type. The category miscellaneous farms includes nursery and greenhouse products, forest products, mules, horses, colts, ponies, fur-bearing animals, bees, honey, goat milk, and farms with no value of products sold. Also included are all institutional farms, and Indian reservations.

### Commercial Farms

Two thirds of the farms in Pacific County in 1964 were non-commercial, chiefly part-time, part-retirement and other small operations marketing less than \$2,500 in farm produce annually. The contribution of the noncommercial farm to the county agricultural economy represented 9 percent of the value of all farm products sold in 1964 - about \$171,000, or \$553 for each farm. The remainder

\$1,722,458, was marketed by commercial farms - those defined by the Census as selling \$2,500 or more in farm products.

Of 141 commercial farms in the county in 1964, only 54 sold farm products valued at \$10,000 or more, while 25 marketed \$20,000 or more. The average value of commercial farm agricultural marketings was \$12,216 that year. Dairy products, cranberries, and cattle and calves, in that order, were the chief products sold. The number of commercial farms in Pacific County declined after 1950 with the greatest decline - 63 percent - in that group of farms marketing from \$2,500 to \$4,999 annually in farm products.

TABLE 8: NUMBER OF FARMS BY ECONOMIC CLASS, PACIFIC COUNTY, 1950-1964 1/

Economic Class	Value of Farm Products Sold	Number of Farms			
		1950	1954	1959	1964
Class I	\$40,000 and over	4	1	1	5
Class II	\$20,000 - \$39,999	17	17	16	20
Class III	\$10,000 - \$19,999	43	51	57	29
Class IV	\$ 5,000 - \$ 9,999	47	67	86	35
Class V	\$ 2,500 - \$ 4,999	85	86	50	52
Class VI 2/	\$ 50 - \$ 2,499	68	50	20	43
Part time 3/	\$ 50 - \$ 2,499	200	160	160	184
Part retirement 4/	\$ 50 - \$ 2,499	237	230	110	82
Abnormal 5/		15			
Total Farms:		716	662	500	450

Source: Census of Agriculture. 1/ Farms in Classes I through V are considered "commercial" farms by the Census. 2/ Farms in this category are classed as commercial if the operator was under 65 years of age and did not work off the farm 100 or more days. 3/ Farms are classed as part-time if the operator was under 65 years of age and worked off the farm 100 or more days. 4/ Farms are classed as part-retirement if the operator was 65 years or more. Many of these farms derived income from non-farm sources greater than the value of agricultural products sold. 5/ Institutional farms, community enterprises, experiment station farms, grazing associations, etc.

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**TABLE 9: NUMBER OF FARMS, CLASSIFIED BY VALUE OF FARM PRODUCTS SOLD, PACIFIC COUNTY, 1964 1/**

Value Sold		Farms	Value Sold		Farms
Under	\$ 250	108	\$ 7,500 - \$ 9,999		17
\$ 250 -	\$ 499	49	\$10,000 - \$14,999		15
\$ 500 -	\$ 999	68	\$15,000 - \$19,999		14
\$ 1,000 -	\$ 1,499	36	\$20,000 - \$29,999		14
\$ 1,500 -	\$ 1,999	25	\$30,000 - \$39,999		6
\$ 2,000 -	\$ 2,499	23	\$40,000 - \$59,999		4
\$ 2,500 -	\$ 4,999	52	\$60,000 - and over		1
\$ 5,000 -	\$ 7,499	18	Total:		450

Source: Census of Agriculture. 1/ The Agricultural Census of 1959 and 1954 did not report the value of farm products sold on this basis. The 1950 Census, however, reported similar data but in largely unrelatable categories. In 1950, 21 farms in Pacific County or 3.0 percent of the total of 716 farms, sold over \$10,000 in farm products; 180 farms sold from \$1,000 - \$3,999 in products; and 462 farms less than \$1,000 of which number 126 farms reported no sales whatsoever.

**TABLE 10: COMMERCIAL FARMS, VALUE OF PRODUCTS SOLD BY SOURCE, PACIFIC COUNTY, 1964**

Product	Value of Products
All farm products sold	\$ 1,722,458
Average per farm	9,361
All crops	\$ 630,140
Field crops	20,232
Vegetables	-
Fruits and Nuts	484,505
Forest products and specialty crops	125,403
All livestock and products	\$ 1,088,943
Poultry and products	43,244
Dairy products	683,018
Livestock and products	362,681

Source: Census of Agriculture

# Pacific County Agriculture

**TABLE 11: COMMERCIAL FARMS, SPECIFIED FARM EXPENDITURES,  
PACIFIC COUNTY, 1964**

Subject	Number of Farms	Amount
Any farm expenditure	193	\$ 616,375
Feed for livestock and poultry	120	\$ 285,741
Purchase of livestock and poultry	54	\$ 108,768
Seeds, bulbs, plants, trees	36	\$ 9,491
Fertilizer and materials	102	\$ 26,538
Petroleum fuels for farm business	193	\$ 65,142
Machine hire, custom and contract work	61	\$ 26,054
Hired labor	121	\$ 94,641

Source: Census of Agriculture

**TABLE 12: COMMERCIAL FARMS, SELECTED CHARACTERISTICS,  
PACIFIC COUNTY, 1964**

Subject	Number
Farms	184
Land in farms, acres	32,504
Average size of farms, acres	176.7
Value of land and buildings:	
Average per farm	\$ 39,979
Average per acre	\$ 280.74
Cropland harvested:	
Farms	158
Acres	5,772
Farm operators:	
Working off their farms	82
100 days or more	35
Full owners	155
Part owners	21
Managers	-
All tenants	8
Specified equipment and facilities, number of farms having:	
Automobiles	174
Motortrucks, including pickups	168
Tractors other than garden	125
Telephone	161
Television	157
Home freezer	146
Milking machine	44

Source: Census of Agriculture

Utilization of Farmland

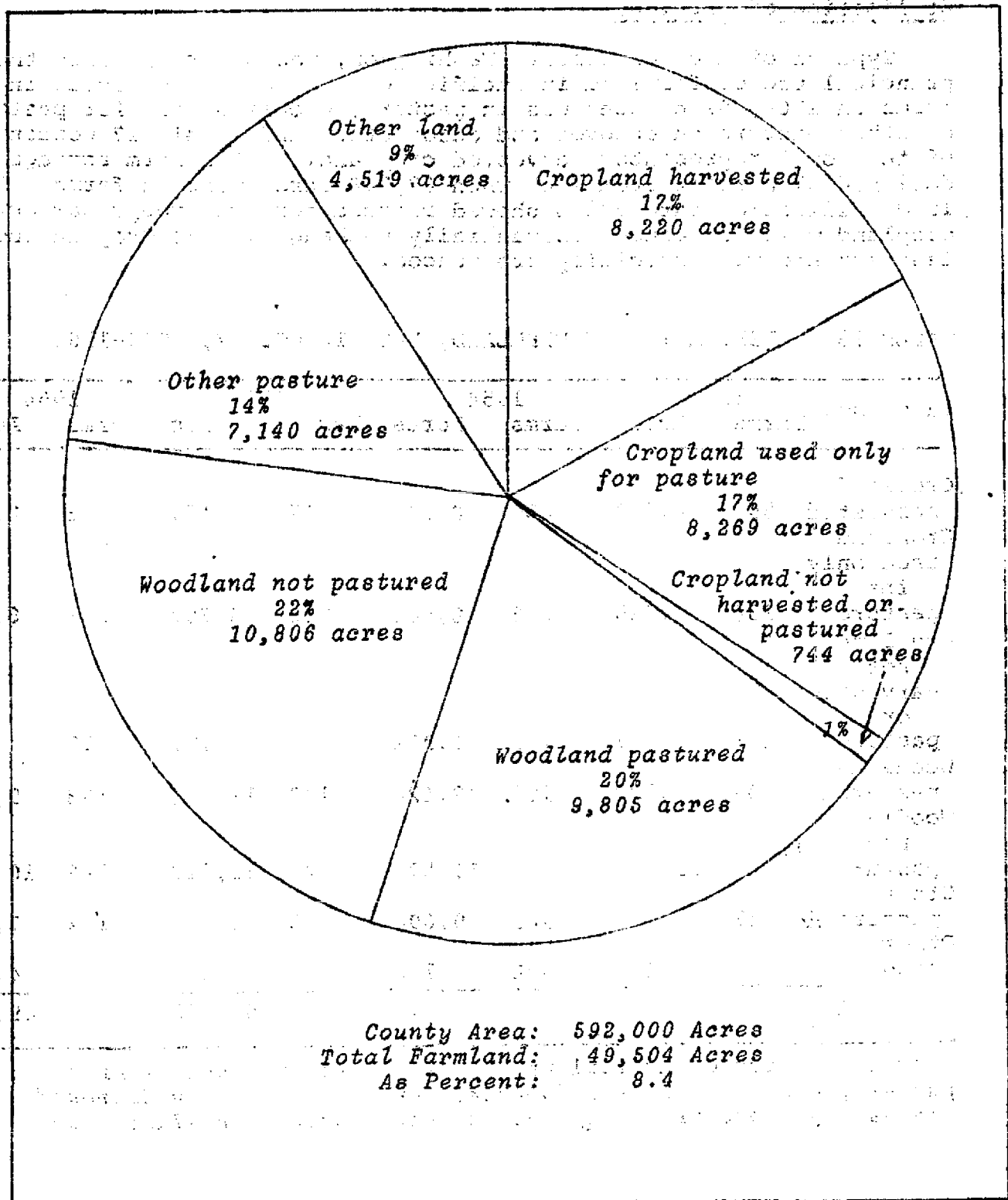
Typical of much of western Washington, pasture represents the principal use of farmland in Pacific County. Of 49,504 acres in farms in 1964, 51 percent was in pasture, woodland used for pasture, or other pasture on cutover and deforested land. Only 17 percent of the total represented harvested cropland. Total farm acreage declined 37 percent from 1949 when 67,748 acres were in farms. All land utilization categories showed reduced acreage except harvested cropland which remained substantially unchanged. The drop in woodland acreage was especially pronounced.

TABLE 13: UTILIZATION OF FARMLAND, PACIFIC COUNTY, 1949-1964

Land Use	1949		1954		1959		1964	
	Farms	Acres	Farms	Acres	Farms	Acres	Farms	Acres
Cropland harvested	554	8,469	486	8,726	417	8,184	342	8,220
Cropland used only for pasture	338	9,425	273	8,863	240	8,769	221	8,269
Cropland not harvested or pastured	191	3,837	125	1,931	46	797	57	744
Woodland pastured	230	14,738	198	12,424	193	11,341	163	9,805
Woodland not pastured <sup>1/</sup>	245	15,130	224	17,576	229	15,318	148	10,806
Other pasture <sup>2/</sup>	127	9,870	189	9,694	98	3,552	142	7,140
Other land	635	6,279	598	4,160	-	5,387	-	4,519
Total:	-	67,748	-	63,374	-	53,348	-	49,504

Source: Census of Agriculture. <sup>1/</sup> Non-crop, open or brush pasture, and cutover or deforested land that has been improved and used for pasture. <sup>2/</sup> House lots, roads, wasteland, etc.

# UTILIZATION OF FARMLAND, PACIFIC COUNTY, 1964



Source: Census of Agriculture

Farm Tenure

The majority of the farmers in Pacific County own the farm they operate. Full-owner farms made up 85 percent of the total in 1964 and controlled nearly 73 percent of the farmland in the county. About 12 percent of the farms were operated by part-owners, that is, farmers who owned part of their land and rented some land from others.

Tenancy - the renting and leasing of land - is rare in Pacific County. In terms of farms operated as well as acreage, tenancy has all but disappeared. In 1925 more than 26 percent of the farm acreage in the county was held under tenant arrangements, and during the depression of the 1930's upwards of 12 percent of the farms were operated by tenants. In 1964 the tenancy rate for both acreage and farms was around 3 percent. Manager-operated farms are not characteristic of agriculture in the county.

TABLE 14: FARMS, BY TENURE OF OPERATOR, PACIFIC COUNTY, 1920-1964

Year	Number of Farms	Full Owners		Part Owners		Managers		Tenants	
		No.	Pct.	No.	Pct.	No.	Pct.	No.	Pct.
1920	453	368	81	18	4	8	2	59	13
1925	524	446	85	18	3	4	1	56	11
1930	570	468	82	35	6	13	2	54	10
1935	759	620	82	41	5	8	1	90	12
1940	710	632	89	28	4	3	-	47	7
1945	771	697	90	28	4	4	1	42	5
1950	716	652	91	34	5	5	1	25	3
1954	665	600	90	49	7	4	1	12	2
1959	499	443	89	40	8	2	-	14	3
1964	450	383	85	53	12	-	-	14	3

Source: Census of Agriculture

# Pacific County Agriculture

TABLE 15: LAND IN FARMS, BY TENURE OF OPERATOR, PACIFIC COUNTY, 1920-1964

Year	Total Acreage	Full Owners	Part Owners	Managers	Tenancy	
	Acres	Acres	Acres	Acres	Acres	Percent
1920	48,804	33,903	3,737	1,150	10,014	21
1925	52,092	35,636	2,647	227	13,582	26
1930	56,430	38,479	9,840	3,347	4,764	8
1935	65,157	47,292	6,549	1,995	9,321	14
1940	64,509	50,490	7,787	1,850	4,382	7
1945	70,372	53,006	9,245	929	7,192	10
1950	67,748	53,269	8,010	2,775	3,694	6
1954	63,374	44,084	15,555	2,801	934	2
1959	53,348	45,137	5,296	1,232	1,683	3
1964	49,504	36,074	11,690	-	1,740	4

Source: Census of Agriculture

## Farm Value

The value of farm land and buildings in Pacific County has greatly increased since World War II. During the 1930's average values were below \$50 an acre and in 1935 fell to \$4,317 per farm. After 1940, however, values strengthened and by 1950 the average value of farm land and buildings reached \$217.83 an acre or \$14,794 per farm. Total value of farms increased from \$4,834,115 in 1945 to more than \$10,592,000 in 1950, and reached \$12,357,000 in 1964. Average value per farm in 1964 was nearly double what it was in 1950. Although the average value per farm is the lowest of any county in the State, in terms of average value per acre Pacific County stands 15th. The average value of farm land and buildings for the State of Washington was \$64,304 per farm and \$154.22 per acre in 1964.

TABLE 16: VALUE OF FARM LAND AND BUILDINGS, PACIFIC COUNTY, 1920-1964

Year	Total Value in County	Average Value Per Farm	Average Value Per Acre
1920	\$ 3,703,280	\$ 8,175	\$ 75.88
1925	3,394,435	6,478	65.16
1930	4,032,265	7,074	71.46
1935	3,276,895	4,317	50.29
1940	3,139,904	4,422	48.67
1945	4,834,115	6,270	68.69
1950	10,592,504	14,794	217.83
1954	8,371,020	12,588	144.56
1959	12,165,121	24,379	250.19
1964	12,357,000	27,460	281.20

Source: Census of Agriculture



Crop and Livestock Reporting Service

**TABLE 17: VALUE OF LAND AND BUILDINGS, AVERAGE VALUE PER ACRE,  
COUNTIES OF WASHINGTON, 1950-1964**

County	1950	1954	1959	1964
Clallam	\$ 171.08	\$ 229.56	\$ 301.04	\$ 464.15
Clark	211.36	279.30	312.41	482.57
Cowlitz	156.17	213.48	267.36	274.83
Grays Harbor	140.24	175.93	200.64	286.57
Island	203.27	228.53	393.28	530.31
Jefferson	107.38	128.45	230.45	331.49
King	456.29	720.00	1,037.49	1,406.76
Kitsap	358.62	425.94	565.59	476.85
Lewis	114.99	163.19	169.06	243.30
Mason	120.09	142.69	226.41	313.81
PACIFIC	217.83	144.56	250.19	281.20
Pierce	334.09	363.66	504.23	559.54
San Juan	100.79	148.14	147.45	263.35
Skagit	264.66	350.44	455.93	605.23
Skamania	59.44	120.64	187.03	248.86
Snohomish	302.22	419.19	502.78	814.33
Thurston	121.80	165.10	225.94	338.88
Wahkiakum	161.30	255.80	267.15	273.58
Whatcom	269.84	327.30	413.85	499.71
Benton	45.43	83.25	122.56	123.59
Chelan	172.81	288.86	344.96	391.76
Kittitas	64.88	72.21	70.52	83.64
Klickitat	24.20	32.74	48.42	51.74
Okanogan	29.14	49.79	56.56	59.14
Yakima	112.70	186.66	312.94	158.03
Ferry	20.59	22.99	24.30	35.82
Pend Oreille	42.97	57.59	67.48	98.99
Spokane	104.78	140.79	166.84	196.30
Stevens	42.90	52.13	49.68	58.76
Adams	54.57	82.50	102.15	113.96
Douglas	33.90	49.35	62.57	71.71
Franklin	37.35	72.41	89.17	138.93
Grant	34.74	75.44	99.21	131.32
Lincoln	60.18	90.94	100.41	110.65
Asotin	37.79	45.47	50.55	64.56
Columbia	73.80	116.57	118.51	147.07
Garfield	80.99	102.74	122.44	147.94
Walla Walla	87.17	131.13	157.41	155.86
Whitman	135.37	155.76	193.92	211.56
State	\$ 86.78	\$ 121.65	\$ 131.14	\$ 154.22

Source: Census of Agriculture

# Pacific County Agriculture

**TABLE 18: VALUE OF LAND AND BUILDINGS, AVERAGE VALUE PER FARM,  
COUNTIES OF WASHINGTON, 1950-1964**

County	1950	1954	1959	1964
Clallam	\$ 13,492	\$ 13,788	\$ 27,561	\$ 37,745
Clark	11,241	13,794	20,739	33,424
Cowlitz	10,902	13,967	20,380	27,629
Grays Harbor	10,610	15,819	20,108	33,089
Island	12,027	15,043	26,722	40,555
Jefferson	10,000	13,997	28,779	43,719
King	12,936	18,613	39,978	64,949
Kitsap	9,271	11,451	17,443	29,931
Lewis	10,091	15,338	19,425	28,007
Mason	9,307	12,020	22,017	41,807
PACIFIC	14,794	12,588	24,379	27,460
Pierce	11,617	14,855	25,609	35,912
San Juan	14,439	22,345	31,225	61,891
Skagit	15,780	22,992	36,562	51,000
Skamania	8,037	12,285	20,381	27,469
Snohomish	10,996	14,072	25,824	43,002
Thurston	9,857	14,135	25,001	36,430
Wahkiakum	13,967	18,808	19,831	26,114
Whatcom	13,172	16,046	23,964	31,847
Benton	22,816	28,085	44,607	62,394
Chelan	19,007	29,488	41,947	56,189
Kittitas	29,705	34,058	42,527	65,915
Klickitat	23,791	34,038	50,432	73,548
Okanogan	15,808	31,374	36,998	62,778
Yakima	21,160	29,798	40,620	60,720
Ferry	11,173	14,944	27,795	78,528
Pend Oreille	10,602	17,728	25,146	42,962
Spokane	23,042	31,993	47,235	66,444
Stevens	12,670	17,721	26,226	32,246
Adams	105,310	130,677	133,626	183,785
Douglas	32,141	47,574	67,706	84,232
Franklin	60,008	78,134	67,329	98,877
Grant	54,597	59,560	64,698	95,970
Lincoln	87,933	126,509	148,743	175,898
Asotin	24,392	28,342	61,181	105,677
Columbia	77,375	107,530	132,201	185,811
Garfield	89,366	122,932	158,830	197,845
Walla Walla	59,394	87,012	122,360	153,875
Whitman	85,713	114,608	162,282	183,116
State	\$ 20,744	\$ 29,131	\$ 47,590	\$ 64,304

Source: Census of Agriculture

Farm Facilities

Closely related to productive capacity are the items of equipment - largely motorized and often automated today - and other facilities that increase farm efficiency and productivity. While the many small and part-time farm operators in Pacific County do not require much farm equipment, the major segments of the agricultural economy such as dairying and cranberries do require considerable investment in equipment.

Most farms owned a truck in 1964 - 80 percent compared with 50 percent in 1950. Nearly 63 percent owned a tractor while many others owned garden tractors and motor tillers. Although only 57 farms reported the sale of milk or cream during 1964, 70 farms had a milking machine (110 farms sold milk in 1959 and 95 reported a milking machine). Half the farms selling milk or cream in 1964 owned a bulk milk tank. Most farms reported automobiles, telephones, televisions and home freezers in proportions substantially improved over 1950.

TABLE 19: SPECIFIED FARM EQUIPMENT AND FACILITIES, PACIFIC COUNTY, 1950-1964

Subject	Number of Farms			
	1950	1954	1959	1964
Total farms	716	662	500	450
Automobiles	490	491	390	381
Motor truck and pickup	360	382	344	360
Tractors other than garden	225	231	265	283
Garden tractors and motor tillers	65	71	131	147
Grain and bean combines	-	6	1	6
Pickup balers	15	51	69	104
Hay conditioners	-	-	-	7
Crop driers	-	-	75	19
Cornpickers	-	5	-	-
Field forage harvesters	-	26	18	54
Telephone	355	466	400	393
Television	-	138	-	347
Home freezer	140	318	303	348
Milking machine	135	112	95	70
Bulk milk tank	-	-	-	27

Source: Census of Agriculture

### Irrigation

A total of 128 Pacific County farms irrigated 1,702 acres of land in 1964, of which 938 acres or 55 percent was harvested cropland and the remainder irrigated pasture. Cranberries were the principal irrigated crop; 110 farms harvested 4,879,169 pounds of cranberries from 694 acres of irrigated land. A few acres of blueberries were also irrigated. Irrigated acreage in 1964 represented 3.4 percent of the farmland in the county, but irrigated cropland made up 11.4 percent of all cropland harvested that year compared with 9.9 percent in 1959. The number of farms using irrigation declined along with the drop in total farm numbers, but acreage under irrigation increased sharply after 1950 both for crops and for pasture. Almost all the farms irrigating land irrigate less than 50 acres; most, 71 percent, irrigate less than 10 acres.

TABLE 20: IRRIGATED FARMS, NUMBER AND ACREAGE, PACIFIC COUNTY, 1950-1964

Item	1950	1954	1959	1964
Irrigated farms	158	190	160	128
Percent of all farms	22	29	32	28
Acres in irrigated farms <sup>1/</sup>	4,062	7,836	8,023	9,151
Average per farm	25.7	41.2	50.1	71.5
Acres irrigated	626	1,111	1,185	1,702
Irrigated cropland harvested	526	775	801	938
Irrigated pasture	49	336	384	759

Source: Census of Agriculture. <sup>1/</sup> The data relate to the entire acreage including land not irrigated.

TABLE 21: IRRIGATED FARMS, CLASSIFIED BY NUMBER OF ACRES IRRIGATED, PACIFIC COUNTY, 1950-1964

Acres	1950	1954	1959	1964
Under 10	147	-	132	91
10 - 49	10	-	26	30
50 - 99	-	-	1	5
100 - 199	1	-	1	1
200 - 499	-	-	-	1
Total:	158	190	160	128

Source: Census of Agriculture

Chemicals and Fertilizers

About 40 percent of the farms in Pacific County used commercial fertilizers in 1964, and 2,694 acres or 5.4 percent of the farmland in the county were treated. The number of treated acres showed little increase between 1959 and 1964, but the pounds used per acre was up 30 percent. Of 306 tons of fertilizer used in 1964, 62 percent was applied on hay and cropland pasture compared with 59 percent for this purpose in 1959.

Control of insects, disease and weeds require the attention of most farms. During 1964, 110 farms dusted or sprayed 830 acres of seed and other crops, and 99 farms treated 3,650 head of cattle and calves for insect control. Nearly 600 acres of cropland pasture were treated for weed control.

TABLE 22: USE OF COMMERCIAL FERTILIZER AND LIME, PACIFIC COUNTY, 1954-1964

Subject	1954	1959	1964
Commercial fertilizer and fertilizing materials:			
Farms	136	192	182
Acres	1,458	2,605	2,694
Tons	147	227	306
Pounds per acre	202	174	227
Lime or liming materials:			
Farms	11	-	-
Acres	110	-	-
Tons	165	-	-
Pounds per acre	3,000	-	-

Source: Census of Agriculture

TABLE 23: UTILIZATION OF COMMERCIAL FERTILIZER AND FERTILIZING MATERIALS, PACIFIC COUNTY, 1959-1964

Utilization	1959			1964		
	Farms	Acres	Tons	Farms	Acres	Tons
Hay and cropland pasture	71	1,695	134	66	1,855	190
Other pasture	5	75	3	8	64	6
All other crops	<u>121</u>	<u>835</u>	<u>90</u>	<u>118</u>	<u>749</u>	<u>110</u>
Total:	192	2,605	227	182	2,694	306

Source: Census of Agriculture

## Pacific County Agriculture

TABLE 24: USE OF AGRICULTURAL CHEMICALS ON FARMS, PACIFIC COUNTY, 1964

Use	Farms	Acres or Number
Crops sprayed or dusted during year for control of insects and diseases:		
Grain crops	-	-
Alfalfa, clover, hays	1	150
Seed crops and other crops	110	830
Crops or land treated during year for control of weeds, grass, or brush:		
Corn	4	48
Small grains	-	-
Other crops	45	300
Pastureland and rangeland	26	240
Livestock treated externally for control of insects:		
Cattle and calves	99	3,650
Hogs, sheep, and goats	-	-

Source: Census of Agriculture

[illegible]

Pacific County farmers spent \$758,638 for specified major items of farm operation in 1964. This was somewhat less than in 1959, and substantially below 1949 when hired labor was a major item of cost and \$1,391,275 was spent. Labor hire fell from \$500,000 (nearly 36 percent of the total in 1949) to \$113,600 or 15 percent of the total in 1964.

Since 1954 livestock (and poultry) feed has come to represent the chief expenditure. Outlays for feed represented nearly 47 percent of the total in 1964, 19 percent above 1959. Farms purchasing feed declined from 328 to 289. Other major areas of farm expenditure include purchases of livestock and poultry, seeds, fertilizers, fuel, and machine hire or custom and contract work.

1981			1982			Notes
BRDF	Area	Price	BRDF	Area	Price	
141	11.1	14	141	11.1	14	1981-1982
141	11.1	14	141	11.1	14	1982-1983
141	11.1	14	141	11.1	14	1983-1984
141	11.1	14	141	11.1	14	1984-1985

# Crop and Livestock Reporting Service

TABLE 25: SPECIFIED FARM EXPENDITURES, PACIFIC COUNTY, 1949-1964

Subject	Year	Amount	Farms
Feed for livestock and poultry:	1949	\$ 401,610	520
	1954	\$ 283,093	467
	1959	\$ 298,590	328
	1964	\$ 356,347	289
Purchase of livestock and poultry:	1949	\$ 357,720	305
	1954	-	-
	1959	\$ 141,370	137
	1964	\$ 124,943	132
Seeds, bulbs, plants and trees:	1949	\$ 27,950	355
	1954	-	-
	1959	\$ 16,400	72
	1964	\$ 10,198	63
Fertilizer and fertilizing materials:	1949	-	-
	1954	\$ 8,635	136
	1959	-	-
	1964	\$ 33,099	212
Gasoline and other petroleum fuel and oil for the farm business:	1949	\$ 68,785	445
	1954	\$ 87,310	436
	1959	\$ 89,091	490
	1964	\$ 86,883	402
Machine hire, custom and contract work:	1949	\$ 35,610	285
	1954	\$ 25,060	176
	1959	\$ 35,990	141
	1964	\$ 33,533	156
Hired labor:	1949	\$ 499,600	275
	1954	\$ 140,285	220
	1959	\$ 216,952	205
	1964	\$ 113,635	228

Source: Census of Agriculture

## The Farm Population

Most farmers in Pacific County live on the farm they operate, and 91 percent did so in 1964. This proportion has remained fairly stable since 1949. On the other hand, nearly 63 percent of the farm operators worked off their farm during 1964, and one-half worked off the farm 100 or more days. The proportion working off

## Pacific County Agriculture

the farm 100 or more days a year changed little between census years 1949 and 1964, although the number of farm operators declined sharply.

There were 450 farm-operator households in Pacific County in 1964, more than half of which reported household incomes of \$3,000 or more other than from the farm operation. Based on reports by 88 percent of the households, income of all persons in farm households from sources other than farm operated totaled \$2,186,000 in 1964, of which \$1,156,000 or 53 percent was wages and salaries. More than 52 percent of the farm population lived on part-time and part-retirement farms. The 1959 Census of Agriculture reported 347 farm-operator households (69 percent of the total) with outside sources of family income exceeding the value of farm products sold.

Nearly 42 percent of the county farm population was under 20 years of age in 1964, and 10 percent was 65 years and older. The greatest number of Pacific County farm operators in 1964 were in the age bracket 55-64 years, and 27 percent were under age 45. The average age was 53 years. Nearly 14 percent had attended college, and 27 percent graduated from high school.

TABLE 26: FARM OPERATORS RESIDING ON FARM OPERATED, AND WORKING OFF THE FARM, PACIFIC COUNTY, 1949 - 1964

Subject	1949	1954	1959	1964
All farm operators	716	665	500	450
Residing on farm operated	645	616	430	409
As percent	90	93	86	91
Working off farm	465	460	313	282
100 days or more	371	415	257	225
As percent	52	62	51	50
With other income of family exceeding value of farm products sold	459	395	347	-
As percent	64	59	69	-

Source: Census of Agriculture



**Crop and Livestock Reporting Service**

**TABLE 27: SELECTED CHARACTERISTICS OF PERSONS LIVING ON FARMS,  
PACIFIC COUNTY, 1964**

Subject	Number
Persons in farm-operator households:	450
farms	1,546
persons	
Number of persons:	
Commercial farms	736
Part-time and abnormal farms	637
Part-retirement farms	173
By age:	
Under 5 years	83
5 - 19 years	566
20 - 34 years	146
35 - 54 years	424
55 - 64 years	171
65 years and older	156
Farm operators - schooling completed:	
Elementary: 0 - 4 years	22
5 - 7 years	44
8 years	128
High School: 1 - 3 years	74
4 years	121
College: 1 - 3 years	43
4 years or more	18
Number of farms, by age of operator:	
Under 25 years	5
25 - 34 years	30
35 - 44 years	88
45 - 54 years	109
55 - 64 years	121
65 years and older	97
Average age	53.1
Income of all persons in household from sources other than farm operated:	
All sources: households	410
dollars	\$ 2,186,108
Wages and salaries	\$ 1,156,442
Nonfarm business or professions	\$ 466,222
Social Security, pensions, veteran or welfare	\$ 218,199
Rent from farms and nonfarm property, interest, dividends, etc.	\$ 345,245

(continued next page)

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**TABLE 27: (continued)**

Subject		Number
<b>Farm operators reporting income of household from sources other than farm operated:</b>		
	Under \$ 500	27
	\$ 500 - \$ 999	25
	\$1,000 - \$1,499	42
	\$1,500 - \$1,999	42
	\$2,000 - \$2,999	31
	\$3,000 and over	243
<b>Income of members of farm operator's household, (excluding farm operator) from sources other than farm operated:</b>		
	households	185
	dollars	\$ 481,519
<b>Work on farm operated during week preceding enumeration:</b>		
	Farm operators	316 operators 9,957 hrs.
	Others in household	361 people 6,173 hrs.
<b>Work off farm during year:</b>		
	Farm operators, number reporting	258
	Days worked on another farm	1,646
	Days worked at nonfarm jobs	46,796
	Members of household, number	1/ 214
	Days worked on another farm	1,947
	Days worked at nonfarm jobs	19,343
<b>Regular hired workers, 150 days or more:</b>		
	farms 1964	16
	farms 1959	35
	persons 1964	33
	persons 1959	56

**Source:** Census of Agriculture, 1/149 farm operators reporting.